CLASS 1 LASER PRODUCT
LASER KLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

English

Laser Safety Information

This drive employs a laser.
Do not remove the cover or attempt to service this device when connected due to the possibility of eye damage.

CAUTION

The use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser Specification:

Semiconductor Laser: 330mW, 785nm; 280mW, 661nm

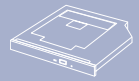
Disposal of Old Electrical & Electronic Equipment

(Applicable in the EU and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Internal ATAPI Drive

Slimline DVD Writer



Names and Functions

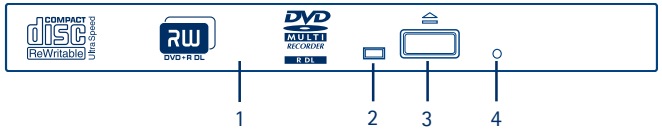
1 Front Panel
This panel prevents dust from entering the DVD Writer and opens automatically only a little when the Eject button is pushed.

2 Busy Indicator
This indicator lights during data read and write operation.

3 Eject Button
This button is pressed to open the disc tray/eject the disc when the power is on.

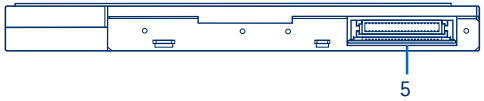
4 Emergency Eject Hole*
Use to remove the disc from the DVD Writer if the electrical eject is disabled by software or if power failure occurs. *(see „Emergency Eject" for details)*

Front View AD-5590, AD-759x



Front View AD-763xA, AD-767xS (slot-in)

Rear View



5 Connector
This Connector includes Power and I/O BUS.

Installation

Configuration

The drive configures itself independently through the connector.

Note: Not all computer hardware supports the intended automatic configuration. Usually this causes that after the drive assembled the computer does not boot any longer. In such case the drives firmware must by changed by qualified personnel.

Installing in a host computer

While installing a slimline drive, you have to consider that it's dimension and connector are designed for usage in portable computer and are standardized. If the Slimline drive is not target for a standard slimline system, additional adapters must be procured from an appropriate expert trader.

1. Turn off the computer, other peripherals and unplug all the cords and cables. Then remove the computer cover, face plate, mounting clips, and keeper bracket. Refer to the operation gudie that came with your computer for help with this step.
2. Slide the Slimline DVD Writer into the computer in such a way that you are able to connect the intended plug.
3. Connect the intended plug with the socket on the back of the Slimline DVD Writer.
4. Slide the Slimline DVD Writer into the computer and fix it in the computer cabinet with 4 screws.
   To avoid damage to the DVD Writer take care that the screws do not reach more than 1.5 mm into the Optiarc Writers cabinet.
5. Reassemble the computer and close the housing cover. Refer to the operation gudie that came with the computer for help with this step.

Drive usage

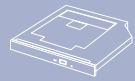
Inserting a Disc

1. Press the Eject button. The disc tray will be ejected by about 10mm.
2. Pull the disc tray all the way open by hand.
3. Set the disc into the shaft in the centre of the tray with the label side facing up.
4. Press the disc tray into the DVD Writer calmly by hand.

Removing a Disc

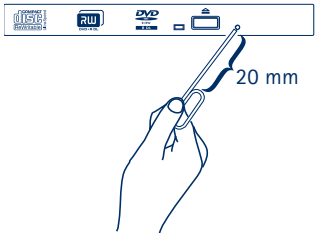
1. Press the Eject button. The disc tray will be ejected by about 10mm.
2. Pull the disc tray all the way open by hand.
3. Lift the edge of the disc strongly, pressing the shaft in the centre of the tray.
4. Press the disc tray into the DVD Writer drive calmly by hand.

Note: If an eject prohibit command has been received from the computer, the disc tray will not be ejected even if the Eject button is pressed.



Emergency Eject*

The procedure described below can be used to open the tray of the Optiarc Writer if the EJECT button is disabled by software or a power failure occurs.



1. Turn off the power to the Slimline DVD Writer.
2. If a disc inside still is spinning wait until it stops.
3. Insert a steel rod (about 0.8 mm in diameter) into the emergency eject hole and push firmly until the cartridge is ejected. A stiff paper clip may be used as steel rod.

*) *the slot-in drives AD-7630, AD-733 and AD-7670 do not have a emergency eject hole*

Driver Installation

The software installation starts with activating the reading function of the drive (CD-ROM).
If you are using the Slimline DVD Writer with Windows 95/98/ME/NT/2000/XP or IBM OS/2 Warp, all necessary drivers will be loaded automatically by the operating system.

Drivers mentioned above are part of the Operating Systems and are not available from Sony Optiarc.

To use the IDE/ATAPI Slimline DVD Writer with MS-DOS and MS-Windows 3.x, you have to install the attached driver software before you can use the Optiarc Writer for the first time.

Refer to the README.TXT file on the driver disk for information about installing this driver.

This drive supports RPC according to SFF8090v4 (RPC-2). The final setting/definition of the video region code is determined by the fifth DVD video region code change.

For Windows 3.xx don't use the 32 bit hard disk access, because this mode is not supported for DVD drives.

If the reading function is available the next step is to achieve the writing function provided by the writing software. Please insert your writing software CD-ROM into the DVD Writer and use the information provided with the software (if the installation does not starting automatically you have to activate the software installation manually).

Support

For local support like hotline, service or firmware updates please check following Internet site:
http://www.sony-optiarc.eu

AD-5590A/S

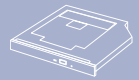
AD-7590A/S

AD-7591S

AD-7593A/S

AD-7630A, AD-7670S

AD-7633A



Data-Section

Transfer Rate		AD-5590A/S	AD-7590A/S, AD-7591S, AD-7593A/S	AD-7630A, AD-7633A, AD-7670S
read	DVD-ROM	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)
	DVD+/-R	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)
	DVD+/-RW	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)
	DVD-RAM	./.	4100 - 6900 KByte/sec (3-5x)	4100 - 6900 KByte/sec (3-5x)
	CD-ROM, CD-R	1500 - 3600 KByte/sec (10-24x)	1500 - 3600 KByte/sec (10-24x)	1500 - 3600 KByte/sec(10-24x)
	CD-RW, CD-DA	1500 - 3600 KByes/sec (10-24x)	1500 - 3600 KByte/sec (10-24x)	1500 - 3600 KByte/sec(10-24x)
	CD-ROM XA	1050 - 2400 KByes/sec (7-16x)	1050 - 2400 KByes/sec (7-16x)	1050 - 2400 KByes/sec (7-16x
write	DVD-R	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)
	supported speeds	*8x/6x/4x/2x*	*8x/6x/4x/2x*	*8x/6x/4x/2x*
	DVD-R DL	3400 - 8300 KByte/sec (2.5-6x)	3400 - 8300 KByte/sec (2.5-6x)	2700 - 5500 KByte/sec (2-4x)
	supported speeds	*6x/4x/2x*	*6x/4x/2x*	*4x/2x*
	DVD-RW	2700 - 8200 KByte/sec (2-6x)	2700 - 8200 KByte/sec (2-6x)	2700 - 8200 KByte/sec (2-6x)
	supported speeds	*6x/4x/2x/1x*	*6x/4x/2x/1x*	*6x/4x/2x/1x*
	DVD-RAM	./.	4100 - 6900 KByte/sec (3-5x)	4100 - 6900 KByte/sec (3-5x)
	supported speeds	./.	*5x/3x/2x*	*5x/3x/2x*
	DVD+R	4500 -11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)
	supported speeds	*8x/6x/4x/2.4x*	*8x/6x/4x/2.4x*	*8x/6x/4x/2.4x*
	DVD+R9	3400 - 8300 kByte/sec (2.5-6x)	3400 - 8300 kByte/sec (2.5-6x)	3300 - 5500 KByte/sec(2.4-4x)
	supported speeds	*6x/4x/2.4x*	*6x/4x/2.4x*	*4x/2.4x*
	DVD+RW	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)	4500 - 11000 KByte/sec (3.3-8x)
	supported speeds	*8x/6x/4x/2.4x*	*8x/6x/4x/2.4x*	*8x/6x/4x/2.4x*
	CD-R	1500 - 3600 KByte/sec (10-24x)	1500 - 3600 KByte/sec (10-24x)	1500 - 3600 KByte/sec(10-24x)
	supported speeds	*24x/16x/8x*	*24x/16x/8x*	*24x/16x/8x*
	CD-RW	1200 - 3600 KByte/sec (8-24x)	1200 - 3600 KByte/sec (8-24x)	1200 - 2400 KByte/sec (8-16x)
	supported speeds	*24x/20x/10x/4x*	*24x/20x/10x/4x*	*16x/10x/4x*
Write methods		DAO (disc at once), SAO (session at once), TAO (track at once) with zero gap,		variable or fixed packet, multisession
Access Time				
	DVD-ROM *($1/3$ stroke read, average)*	180 msec	180 msec	190 msec
	CD-ROM *($1/3$ stroke read, average)*	150 msec	150 msec	190 msec
Memory Buffer		2 MByte	2 MByte	2 MByte
Interface		A type: IDE/ATAPI SFF-8020 rev. 2.60, PIO Mode 4/Ultra DMA33 mode 2 support / S type: S-ATA I 1.5Gbps		
Compatibility		DVD-ROM, DVD-Video, DVD-R, +R, DVD-R, +RW, DVD-RW, +RW, High Sierra and ISO 9660, CD-ROM, CD-ROM XA, CD-DA, CD-TEXT, CD-I (FMV), Enhanced Music CD (CD+), PhotoCD (SingleSession/MultiSession), VideoCD (WhiteBook)		

General

Power Consumption (max.)	8 VA (5V 1.6A)
Dimensions (WxHxD)	128 x 12.7 x 129 mm
Weight	0.174 kg *(AD-7630, AD-7633, AD-7670: 0.16 kg)*
Noise	≤ 47.5 dB(A)
Storage temperature	-40° to +65° C
Storage humidity	5% to 95% RH, noncondensing
Operating temp.	+5° to +50° C
Operating humidity	20% to 80% RH, noncondensing
Laser Specification	330mW, 784nm (CD) 300mW, 661nm (DVD)
In compliance wth	MultiRead, PC-99, PC-2001, MS Vista

Above specifications are subject to change.

Microsoft, Windows, and Windows Vista are registered trademarks Microsoft Corporation, Photo CD is a trademark of Kodak

Specifications • Technische Daten • Spécifications • Datos técnicos • Dati tecnici •